Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(IT) (2015 Onwards)   (Sem.–3)
JAVA PROGRAMMING
Subject Code : MSIT-303
Paper ID : [74068]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.**
2. **SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**
3. **Use of non-programmable scientific calculator is allowed.**

SECTION-A

1. Differentiate between C++ and java also discusses OOP's Principles.

2. Define Method overloading also write a program to support your answer.

SECTION-B

3. What are threads? Are there different methods used with thread? Explain with example.

4. What is String Tokenizer? Elaborate using suitable example.

SECTION-C

5. What are the different types of applets? Write a program to enter user name and password.

6. What do you mean JDBC? What are the different steps of database connectivity in java?

SECTION-D

7.   What is the use of Servlet? Also discuss Exception Handling in Servlets.

8.   What is JSP and role of it in server side programming?

SECTION-E

9.   Write short notes on followings :

a)   Role of Final Classes in java.

b)   Different Access specifiers in Java and their scope.

c)   Define JVM where it is run.

d)   Why we use Finalize Method?

e)   Differentiate swing and AWT.

f)   Define package explain use in java.

g)   Different way to run/test Java Applets.

h)   Compare java Application programming and java Applet programming.

i)   Compare doGet() and doPost() methods of Servlet.

j)   Compare servlet and JSP methods.